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REMARKS

The specification has been amended to include an incorporation by reference of the compact discs containing the Sequence Listing and appropriate reference to the sequences therein. Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page is captioned “Version with markings to show changes made.”

Entry of this amendment is respectfully requested. The amendments are made in adherence with 37 C.F.R. § 1.821-1.825. This amendment is accompanied by a floppy disk containing the above named sequence listing, SEQUENCE ID NUMBERS 1-301, in computer readable form, and two, identical compact discs in lieu of the paper copy of the sequence information. The computer readable sequence listing was prepared through use of the software program “PatentIn” provided by the PTO. The sequence listing information contained in the computer readable form is identical to that of the compact discs. This amendment contains no new matter. Applicant submits that this amendment, the accompanying computer readable

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sequence listing, and the compact discs thereof serve to place this application in a condition of adherence to the rules 37 C.F.R. § 1.821-1.825.

Please direct any calls in connection with this application to the undersigned at (415) 781-1989.

Respectfully submitted,

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Dated: 2/20/02



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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE SPECIFICATION:

On page 1, line 7, immediately preceding the heading "BACKGROUND OF THE INVENTION", the following heading and paragraph were inserted into the text:

— SEQUENCE LISTING

The Sequence Listing submitted on compact disc is hereby incorporated by reference. The two, identical compact discs contain the file named A71171.ST25.txt, created on February 7, 2002, and containing 7,831,552 bytes.—

Paragraph beginning at page 2, line 6, has been amended as follows:

— In one aspect, a method of screening drug candidates comprises providing a cell that expresses a carcinoma associated (CA) gene or fragments thereof. Preferred embodiments of CA genes are genes which are differentially expressed in cancer cells, preferably lymphatic, breast, prostate or epithelial cells, compared to other cells. Preferred embodiments of CA genes used in the methods herein include, but are not limited to the nucleic acids selected from Tables 1-50 (SEQ ID NOS:1-300). The method further includes adding a drug candidate to the cell and determining the effect of the drug candidate on the expression of the CA gene.—

Paragraph beginning at page 9, line 11, has been amended as follows:

— The extracellular domains of transmembrane proteins are diverse; however, conserved motifs are found repeatedly among various extracellular domains. Conserved structure

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and/or functions have been ascribed to different extracellular motifs. For example, cytokine receptors are characterized by a cluster of cysteines and a WSXWS (W= tryptophan, S= serine, X=any amino acid; SEQ ID NO:301) motif. Immunoglobulin-like domains are highly conserved. Mucin-like domains may be involved in cell adhesion and leucine-rich repeats participate in protein-protein interactions.—